

Amendments to the Claims:

This listing of claims replaces any and all prior claim lists.

Listing of Claims:

Claims 1-3 canceled.

Claim 4 (currently amended). A process for producing carbonated water, wherein a carbonic acid gas is dissolved in water by supplying the water and the carbonic acid gas to a static mixer having N number of elements, wherein N is 20 to 100; 20 to 100 elements and wherein the condition according to formula (1) is satisfied with the premise that the Reynolds number Re when a mixture of water and carbonic acid gas flows in the static mixer:

$$100,000 \leq Re \times N \leq 2,000,000 \dots (1).$$

Claim 5 (canceled).

Claim 6 (previously submitted). The process for producing the carbonated water according claim 4, wherein a formula (2) is satisfied with a premise that the carbonated water is produced by supplying the mixture of the water and the carbonic acid gas to the static mixer for only one time, a flow rate of the carbonic acid gas to be supplied is X (L/min) and a flow rate of the water to be supplied is Y (L/min):

$$0.5 \leq X/Y \leq 1.2 \dots (2).$$

Claim 7 (currently amended). The process for the carbonated water according to any one claim 4, wherein a formula (3) is satisfied with a premise that the carbonated water is produced

by circulating the water in a water vessel via the static mixer, the flow rate of the carbonic acid gas to be supplied is X (L/min) and the flow rate of the water to be supplied is Y (L/min):

$$0.3 \leq X/Y \leq 1.0 \dots (3).$$